

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:59:12 ON 02 FEB 2007

=> file casreact
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 0.21 | 0.21 |

FILE 'CASREACT' ENTERED AT 10:59:23 ON 02 FEB 2007
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTENT:1840 - 28 Jan 2007 VOL 146 ISS 5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

*
* CASREACT now has more than 10 million reactions *
*

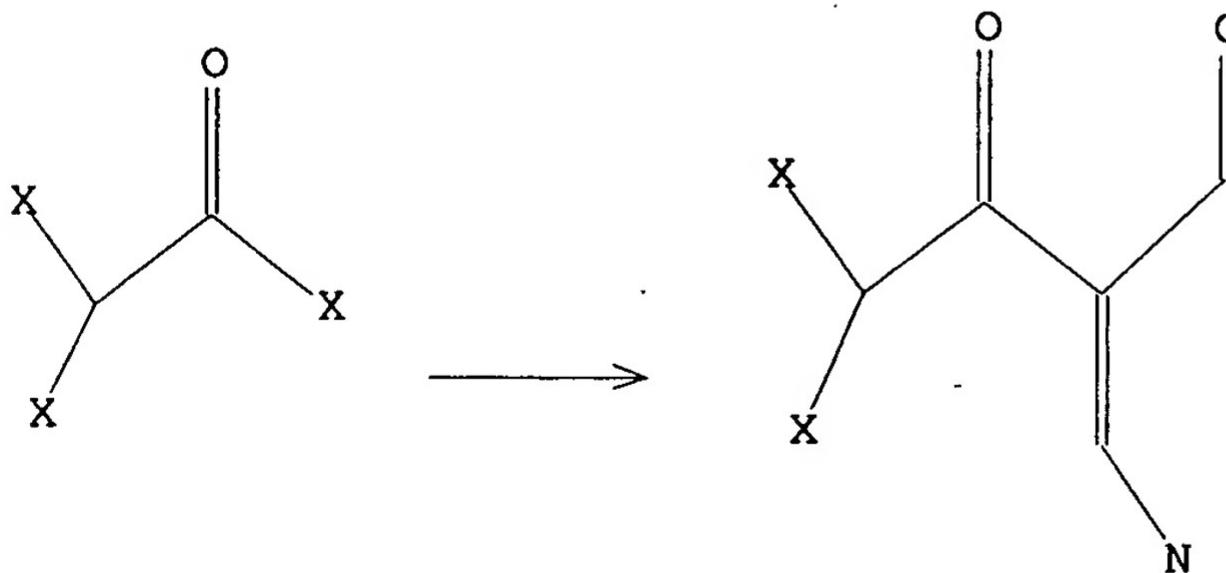
Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10576059.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 10:59:46 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM

0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1 (0 REACTIONS)

=> s 11 ful

FULL SEARCH INITIATED 10:59:54 FILE 'CASREACT'
SCREENING COMPLETE - 234 REACTIONS TO VERIFY FROM 16 DOCUMENTS

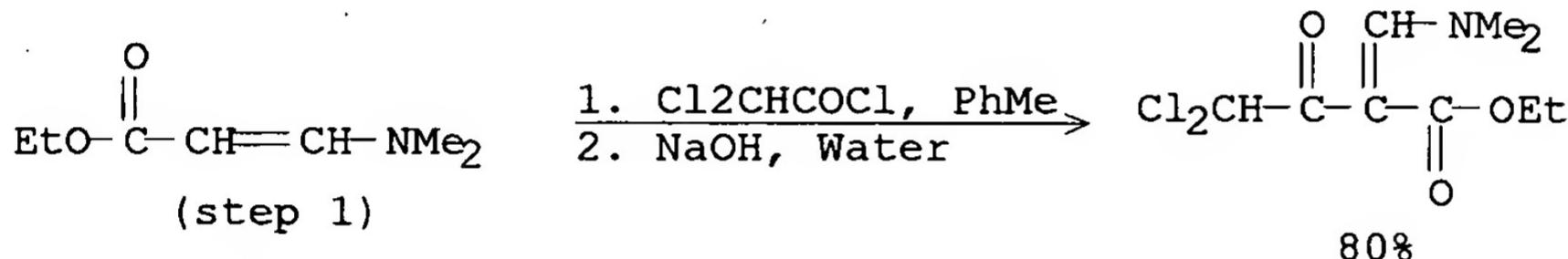
100.0% DONE 234 VERIFIED 13 HIT RXNS 3 DOCS
SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1 (13 REACTIONS)

=> d 13 1-3

L3 ANSWER 1 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 12

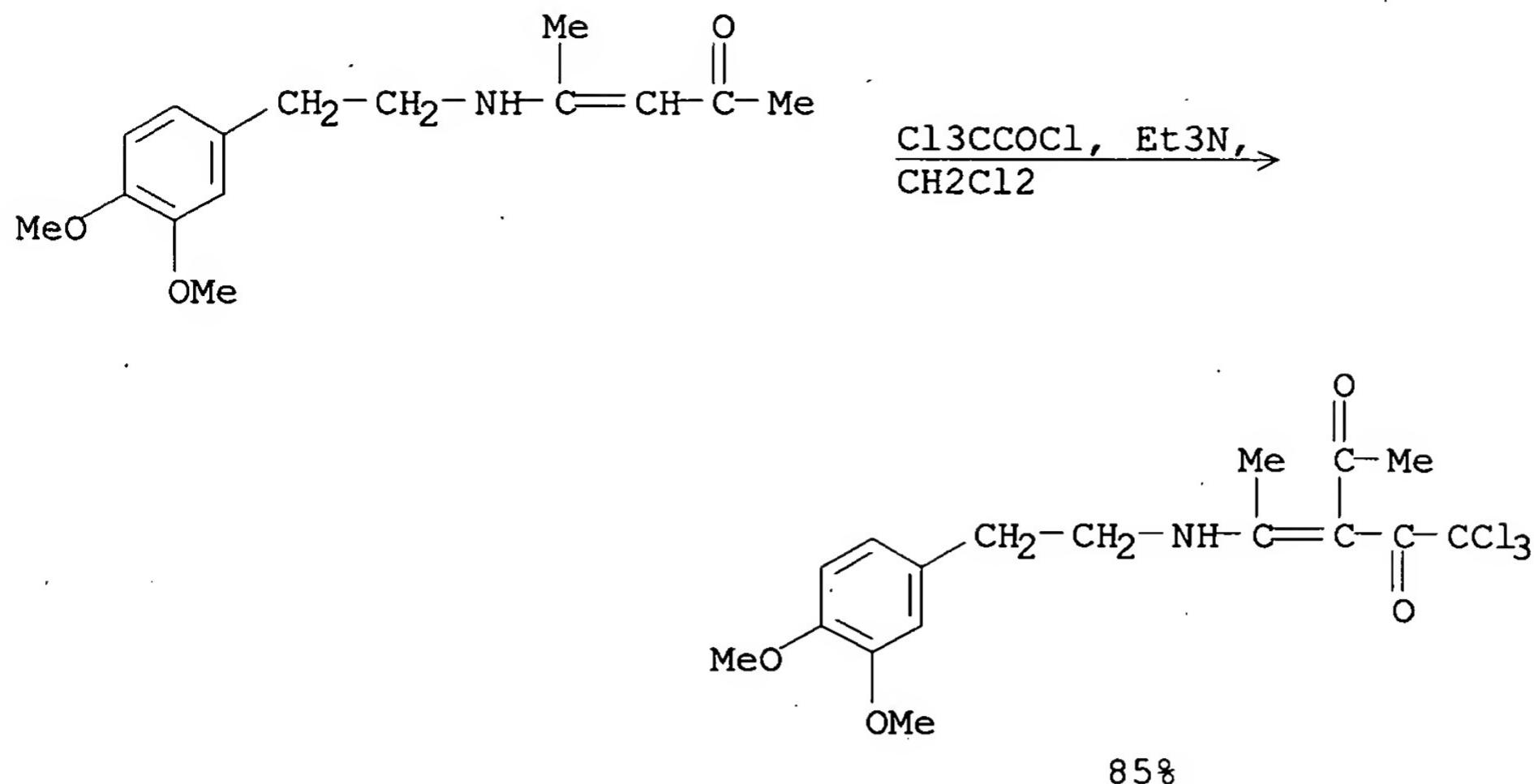


REF: PCT Int. Appl., 2005042468, 12 May 2005

CON: STAGE(1) 1 deg C → 0 deg C; 30 - 40 minutes, 0 - 3 deg C
STAGE(2) 20 minutes, 0 - 3 deg C; 3 hours, 0 - 3 deg C;
0 deg C → room temperature

L3 ANSWER 2 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

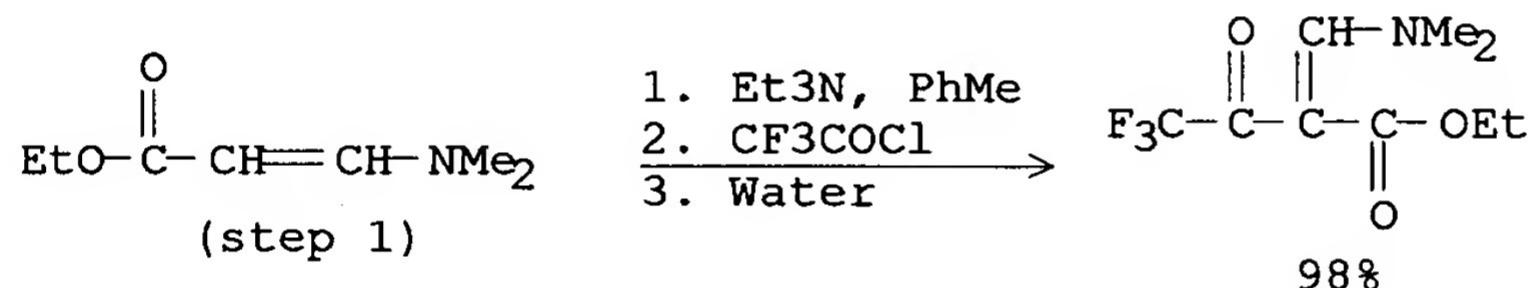
RX(8) OF 51



REF: Synthesis, (14), 2221-2225; 2003
CON: STAGE(1) room temperature; 48 hours

L3 ANSWER 3 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 9



REF: PCT Int. Appl., 2003051820, 26 Jun 2003
CON: STAGE(1) 10 deg C
STAGE(2) 3.5 hours, 10 deg C; 1 hour, 10 deg C; 50 deg C
STAGE(3) 15 minutes, 50 deg C

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 7 | ("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine" or "5-ethyl-2-methyl pyridine" or "5-ethyl-2-methylpyridine") same ("acid halide" or "dialkylaminoacrylic ester") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:41 |
| L2 | 41 | ("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine" or "5-ethyl-2-methyl pyridine" or "5-ethyl-2-methylpyridine") and ("acid halide" or "dialkylaminoacrylic ester") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:17 |
| L3 | 34 | I2 not I1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:20 |
| L4 | 18 | I3 and (triethylamine or tea or "et3n") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:21 |
| L5 | 0 | (("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine") with "triethylamine") and ("aminoacrylic ester" or "aminoacrylic esters") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:40 |
| L6 | 0 | (("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine" or "5-ethyl-2-methyl pyridine" or "5-ethyl-2-methylpyridine") with triethylamine) and ("aminoacrylic ester" or "aminoacrylic esters") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:43 |
| L7 | 107 | (("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine" or "5-ethyl-2-methyl pyridine" or "5-ethyl-2-methylpyridine") with triethylamine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 14:53 |
| L8 | 49 | (("2-methyl-5-ethylpyridine" or "2-methyl-5-ethyl pyridine" or "5-ethyl-2-methyl pyridine" or "5-ethyl-2-methylpyridine") with triethylamine) and halide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/02/02 15:20 |

EAST Search History

| | | | | | | |
|-----|-----|--|--|----|-----|------------------|
| L9 | 643 | (560/170).CCLS. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/02 15:20 |
| L10 | 0 | (("2-methyl-5-ethylpyridine" or
"2-methyl-5-ethyl pyridine" or
"5-ethyl-2-methyl pyridine" or
"5-ethyl-2-methylpyridine") with
triethylamine) and I9 | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/02 15:20 |
| S1 | 0 | ("("5498624" "6207828" "6706911")
.PN.").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 15:20 |
| S2 | 6 | ("5498624" "6207828" "6706911").
PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/02 10:24 |
| S3 | 51 | lui-norbert.in. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 15:45 |
| S4 | 2 | ("6207828").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 15:58 |
| S5 | 4 | ("4444582").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 15:59 |
| S6 | 3 | ("4444581").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 16:02 |

EAST Search History

| | | | | | | |
|-----|---|---------------------|--|----|-----|------------------|
| S7 | 2 | ("2004147561").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 16:02 |
| S8 | 2 | "2004147561" | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:02 |
| S9 | 0 | ("2002-436787").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 16:03 |
| S10 | 1 | 2002-436787 | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:03 |
| S11 | 0 | "2002436787" | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:03 |
| S12 | 1 | 2003-736289 | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:03 |
| S13 | 0 | "2003736289" | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:04 |
| S14 | 9 | zhong-wenge.in. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/01 16:05 |

EAST Search History

| | | | | | | |
|-----|---|--|--|----|-----|------------------|
| S15 | 4 | ("4444582").PN. | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | OFF | 2007/02/01 16:05 |
| S16 | 2 | "2-dihaloacyl-3-aminoacrylic ester" | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/02 10:25 |
| S17 | 2 | dihaloacyl with aminoacrylic with
ester | US-PGPUB;
USPAT;
USOCR;
FPRS;
EPO; JPO;
DERWENT | OR | ON | 2007/02/02 14:10 |